

**IN THE UNITED STATES
PATENT AND TRADEMARK OFFICE**

PATENT APPLICATION

APPLICANT(S): Arun Kwangil Iyengar
Isabelle M. Rouvellou

"Express Mail" Label No. EL793517540US1 I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated below and is addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231.

**ASSIGNEE
NAME:** International Business
Machines Corporation

Date of Deposit: March 7, 2002

Signature: Denise A. Glaser

**ASSIGNEE
RESIDENCE:** Armonk, New York

TITLE: Methods and Systems for Distributed Caching in Presence
of Updates and in Accordance with Holding Times

**ASSISTANT COMMISSIONER FOR PATENTS
WASHINGTON, D.C. 20231**

SIR:

Enclosed are the following papers relating to the above-named application for patent:

Application - 14 pages of Specification, 6 pages of Claims and 1 page of Abstract
6 Sheets of informal drawing(s)

✓ Declaration and Power of Attorney

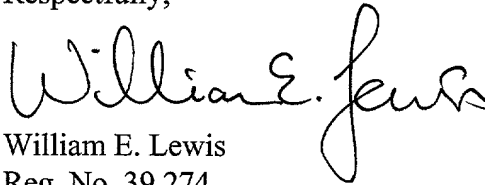
✓ Assignment and Recordation Form Cover Sheet

CLAIMS AS FILED				
	NO. FILED	NO. EXTRA	RATE	CALCULATIONS
Total Claims	28-20 =	8	x \$18 =	\$144
Independent Claims	6-3 =	3	x \$84 =	\$252
Multiple Dependent Claim(s), if applicable			\$280 =	\$0
Basic Fee				\$740
TOTAL FEE:				\$1136

Please file the application and charge **International Business Machines Corporation Deposit Account No. 50-0510** the amount of \$1136, to cover the filing fee. In the event of non-payment or improper payment of a required fee, the Commissioner is authorized to charge or to credit **International Business Machines Corporation Deposit Account No. 50-0510** as required to correct the error. Duplicate copies of this letter are enclosed.

Please address all correspondence to: **Ryan, Mason & Lewis, LLP, 90 Forest Avenue, Locust Valley, New York 11560.** Telephone calls should be made to the under-signed attorney at (516) 759-2946.

Respectfully,

A handwritten signature in cursive script that reads "William E. Lewis". The signature is written in black ink and is positioned above the printed name and address.

Date: March 7, 2002

William E. Lewis
Reg. No. 39,274
Attorney for Applicant(s)
Ryan, Mason & Lewis, LLP
90 Forest Avenue
Locust Valley, New York 11560

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